

211-25

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 30 2013

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Mr. Richard Kueser, Regulatory Compliance Director
Central Solutions, Inc.
401 Funston Road
Kansas City, KS 66115

Subject: PHENO-CEN Germicidal Detergent
EPA Registration Number: 211-25
Application Date: May 31, 2013
Receipt Date: June 03, 2013

Dear Mr. Kueser:

The following label amendment, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide (FIFRA) 3(c) 7(A), as amended, is **acceptable**.

Proposed Amendment

- Removal of fogging claims and use-directions from product label
- Adding required statement to the label as directed by EPA letter dated April 1, 2013.

General Comments

A stamped accepted label is enclosed for your records. This labeling supersedes all previous labeling. The next printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed label before selling or distributing the product bearing the revised labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling, or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and it's implementing regulation at 40 CFR 152.3.

If you have further questions concerning this letter, then please contact me by telephone at (703) 308-6416 or by e-mail at campbell.jacqueline@epa.gov or Lorena Rivas by telephone at (703) 305-5027 or by email at rivas.lorena@epa.gov . When you are submitting information or data in response to this letter, send a copy of this letter to accompany the submission in order to facilitate processing.

Sincerely,


Jacqueline Campbell
Product Manager (34)
Regulatory Management Branch II
Antimicrobials Division (7510P)

Enclosure: Stamped label

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(Administrative Note: The following text is required for all labeling, regardless of target market)

PHENO-CEN

Germicidal / Detergent With Organic Soil Tolerance
Tuberculocidal - Germicidal - Pseudomonacidal
Fungicidal - Virucidal* (Kills HIV-1) - Bactericidal

ACTIVE INGREDIENTS:

Potassium ortho-benzyl parachlorophenate.....	8.03%
Potassium ortho-phenylphenate.....	6.28%
Potassium para-tertiary-amylphenate.....	4.30%
OTHER INGREDIENTS.....	81.39%
	100.00%

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

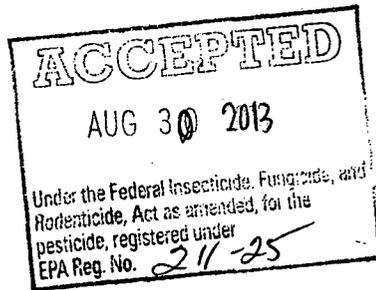
Keep Out of Reach of Children
DANGER

Manufactured By:
Central Solutions, Inc.
401 Funston Road
Kansas City, KS 66115

EPA Reg. No. 211-25
EPA Est. No. 211-KS-1

NET CONTENTS: X GALLONS

Revision 0513



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(Administrative Note: The following text is required for all labeling, regardless of target market)

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for further treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes • Call a poison control center or doctor for further treatment advice.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person
<p>HOTLINE NUMBER In case of emergency, call your local poison control center or a doctor. Have the product container or label with you when calling a poison control center or doctor or going in for treatment.</p>	
<p>NOTE TO PHYSICIAN Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.</p>	

Product Questions? Call 1-800-255-0262 during normal business hours (8am-5pm, CST)

DANGER
KEEP OUT OF REACH OF CHILDREN
PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Wear goggles or face shield. Wear protective clothing (long-sleeve shirt and long pants, socks, plus shoes and chemical resistant gloves such as waterproof gloves). Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store the product near heat or open flame.

USER SAFETY REQUIREMENTS

Users must wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users must remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Users must remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

(Administrative Note: The following text is required for labeling destined for mushroom farm or aquaculture markets)

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Handlers must wear: Coveralls over long-sleeved shirt and long pants; socks and chemical resistant shoes; goggles or face shield and chemical resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or Viton ®). Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If no such instructions exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

(Use Environmental Hazards statement on containers containing ≥ 5 gallons of product):

ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. This product is toxic to fish and aquatic organisms.

STORAGE AND DISPOSAL**Do not contaminate water, food, or feed by storage or disposal.****PESTICIDE STORAGE** - Store in a securely closed original container. Store in area that will prevent cross contamination of other pesticides, fertilizer, food, and feed. Avoid storage at temperature extremes or in sunlight.**PESTICIDE DISPOSAL** - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.**CONTAINER DISPOSAL** - Nonrefillable container. Do not reuse or refill this container. Puncture and dispose of in a sanitary landfill, or by incineration.

Offer for recycling, if available.

or

Offer for reconditioning, if appropriate

Less than or equal to 5 gallons:

Clean container promptly after emptying.

or

Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Greater than 5 gallons:

Clean container promptly after emptying.

or

Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

*(Administrative Note: The following text is required for all containers destined for sale and/or distribution in the State of California):***"WARNING: This product contains a chemical known to the State of California to cause cancer."**

(Administrative Note: The following text is required for labeling destined for the human health care and/or institutional markets. If the customer desires to delete claims against select, specific organisms, it must do so with the approval of the basic registrant.)

DIRECTION FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

This product is not to be used as a terminal sterilant / high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to pre-clean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

CLEANING AND DISINFECTION

For broad spectrum disinfection of gram negative and gram positive bacteria, including *Pseudomonas aeruginosa*, add ½ ounce PHENO-CEN per 1 gallon of water. Remove heavy soil or gross filth then apply solution with a mop, cloth, or sponge so as to wet surface thoroughly. Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. Allow to remain wet for 10 minutes and then air dry. If higher detergency is desired, increase dilution to 1 ounce per gallon of water. This product may be applied only by the methods specified on the labeling.

EFFICACY PERFORMANCE

The broad spectrum efficacy of PHENO-CEN has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:256 in the presence of 5% blood serum (used to simulate organic soil load), at 20°C with an exposure time of 10 minutes.

GERMICIDAL:

PHENO-CEN is effective against a broad spectrum of Gram positive and Gram negative pathogens as confirmed against *Salmonella enterica*, *Staphylococcus aureus*, and *Pseudomonas aeruginosa* by the A.O.A.C. Use-Dilution test, in the presence of 5% organic soil load at 20°C with an exposure time of 10 minutes.

FUNGICIDAL:

At ½ ounce per gallon of water, PHENO-CEN is effective against *Trichophyton mentagrophytes* (the athlete's foot fungus), in use areas such as shower room floors, locker room benches, bathmats, or any other hard, nonporous, inanimate environmental surfaces. At ½ ounce per gallon of water, PHENO-CEN is effective against *Candida albicans*.

TUBERCULOCIDAL:

PHENO-CEN is effective against *Mycobacterium bovis* (BCG) as demonstrated through testing using the A.O.A.C. Method "Confirmative in Vitro Test for Determining Tuberculocidal Activity" in 10 minutes at 20°C.

VIRUCIDAL*

*KILLS HIV-1 ON PRE-CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type-1 (HIV-1) (associated with AIDS).

SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 (AIDS VIRUS) OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS.

PERSONAL PROTECTION: Clean-up must always be done wearing protective latex gloves, gowns, masks, and eye protection.

CLEANING PROCEDURE: Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of the disinfectant.

CONTACT TIME: Leave surface wet for 10 minutes with a ½ ounce per gallon use-dilution (1:256), PHENO-CEN and water.

DISPOSAL OF INFECTIOUS MATERIALS: Blood, body fluids, cleaning materials, and clothing must be autoclaved and disposed according to local regulations for infectious waste disposal.

PELIGRO: Si no puede leer en ingles, pregunte a su supervisor sobre las instrucciones de su uso apropiadas antes de trabajar con este producto.

(Administrative Note: The following text is optional for labeling destined for the human health care and/or institutional markets)

Formulated for effective health care facility sanitation
Formulated for effective hospital and health care facility sanitation
Formulated for health care facilities
Formulated for hospital and other health care facilities

PHENO-CEN is a phosphate free, dilutable, hospital germicidal-detergent effective in 10 minutes at 20° C, in the presence of 5% blood serum, used to simulate organic soil. PHENO-CEN's multi-phenolic formula is designed to clean, disinfect, and deodorize any washable, inanimate, non-porous surface in one easy step. When used as directed, PHENO-CEN is strong enough to kill a broad spectrum of pathogenic bacteria, yet it is mild enough to have no harmful effects on the surface being disinfected.

PHENO-CEN is a germicidal detergent formulated for use where broad spectrum disinfection is required in the presence of moderate amounts of organic soil.

PHENO-CEN is designed for use by hospitals, nursing homes, and other health care institutions that are dedicated to controlling the hazards of cross contamination in their establishments. For use on any hard, inanimate surface in patient rooms, restrooms, halls, veterinary offices, animal shelters, kennels, prisoner holding areas, funeral homes, dental offices, day care facilities and public areas on carts, bed frames, walls, floors, stainless steel, porcelain, glass, and chrome.

PHENO-CEN is a phosphate free, dilutable, effective germicidal detergent formulated for use where broad spectrum disinfection is required in the presence of moderate amounts of organic soil. PHENO-CEN is effective in 10 minutes at 20° Celsius, in the presence of 5% blood serum, used to simulate organic soil. PHENO-CEN's multi-phenolic formula is designed to clean, disinfect, and deodorize any washable, inanimate, non-porous surface in one easy step. When used as directed, PHENO-CEN is strong enough to kill a broad spectrum of pathogenic bacteria, yet it is mild enough to have no harmful effects on the surface being disinfected.

PHENO-CEN has been formulated for use on hard, nonporous, inanimate surfaces commonly found in facilities and areas such as hospitals, nursing homes, medical emergency rooms, blood banks, laboratories, veterinary clinics, animal shelters, kennels, ambulance and patient transfer vehicles, police and law enforcement vehicles, prisoner holding areas, offices, funeral homes, medical and dental offices, day care facilities, schools, restrooms, hotels, motels, restaurants, hair care shops and salons, and other establishments that disinfect to control the hazards of cross-contamination.

PHENO-CEN is an effective disinfectant, deodorant, and air freshener in patient and resident rooms, utility areas, dressing rooms, hospital rooms, treatment rooms, restrooms, halls, public areas, and classrooms.

PHENO-CEN is designed to be used on hard, inanimate surfaces such as walls, floors, door handles, medical bed surfaces, bed frames, mattress springs, wheelchairs, light switches, linen carts, stretcher wheels, hampers, telephones, cleanup carts, bassinets, dressing carts, toilet bowl surfaces, urinal surfaces, showers, bathtubs, counter tops, table tops, sinks, waste containers, lockers, desks, exterior surfaces of hydrotherapy bathing units, patient transfer equipment, patient scales, examination tables, dental chairs, medical lamps, stethoscopes, bedpans, blood donor chairs, crutches, instrument trays, operating tables, and other hard, nonporous surfaces that need disinfection to control the hazards of cross-contamination.

Non-Critical Medical Devices

PHENO-CEN is a general purpose disinfectant that may be used to clean and disinfect hard, non-porous, inanimate, non-critical medical and dental equipment surfaces. PHENO-CEN may also be used to clean and/or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

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(Administrative Note: The following text is required for labeling destined for mushroom farm markets)

GERMICIDAL-DETERGENT WITH ORGANIC SOIL TOLERANCE
FORMULATED FOR MUSHROOM FARM SANITATION

PHENO-CEN effectively kills fungi and bacteria which prove dangerous to mushroom crops.

DO NOT APPLY TO MUSHROOM CROP.
DO NOT APPLY TO COMPOST OR CASING.
USE ONLY AS DIRECTED

EFFICACY PERFORMANCE

GERMICIDAL:

PHENO-CEN has been tested and found effective against bacteria detrimental to the mushroom crop including:

Pseudomonas fluorescens (Biotype G)...Bacterial Blotch Disease
Pseudomonas aeruginosa.....Mummy Disease

FUNGICIDAL:

Fungi specific to the mushroom industry which PHENO-CEN has been tested against and found effective include:

Verticillium fungicola.....(Verticillium disease, Brown spot, or Fungus Spot)
Mycogone perniciosa.....(Mycogone disease, or Wet Bubble)
Trichoderma viride.....(Trichoderma spot, Trichoderma blotch, Trichoderma mildew, Green mold)
Dactylium dendroides.....(Hypomyces mildew, Cobweb, Soft decay)

GENERAL INFORMATION

PHENO-CEN is a phosphate free, germicidal detergent effective in the presence of moderate amounts of organic soil on a variety of surfaces found at mushroom farms. PHENO-CEN's tri-phenolic formula is designed for one-step cleaning and disinfecting on hard, inanimate, nonporous environmental surfaces. PHENO-CEN is strong enough to kill a broad spectrum of microbial mushroom pests, yet mild enough to have no harmful effects on the surface being treated when used as directed.

AREAS OF USE

PHENO-CEN has been designed for use between crops on surfaces that do not come in contact with the crop. Areas of intended use include tools, breezeways, and track alleys before spawning, inside and outside walls of mushroom houses, lofts, floors, storage sheds, spawning machines, tampers, and casing rings. Use of PHENO-CEN must be limited to areas where compost and mushrooms are not present.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling

The first step in any on-going sanitation program must be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum, depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use 1/2 ounce of PHENO-CEN per gallon of water (1:256 dilution). Apply PHENO-CEN as a spray, wetting surfaces thoroughly. Do not apply this product in a way that will contact workers or other persons, either directly or by drift. Only protected handlers may be in the area during application. Following application as a low pressure or high pressure spray, do not enter or allow others to enter the treated areas until sprays have dried. Treated surfaces must be allowed to remain wet for 10 minutes and let air dry. For heavily soiled areas, a pre-cleaning step is required. When greater detergent action is desired, dilute PHENO-CEN one ounce of concentrate to each gallon of water. Heavily soiled areas may require repeated cleaning before treatment. This product may be applied only by the methods specified on the labeling.

Apply PHENO-CEN only on surfaces that DO NOT come in contact with the crop. USE AS A PREMISES SPRAY, DO NOT APPLY TO THE CROP, COMPOST, OR CASING. Rinse treated surfaces with potable water before they contact the crop, compost, or casing.

(Administrative Note: The following text is for labeling destined for poultry, or swine premise use)

Formulated for Effective Poultry & Swine Premise Sanitation

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling

SITE PREPARATION

The first step in any ongoing sanitation program must be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum, depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris is eliminated, disinfection can be accomplished in a single step.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use ½ ounce of PHENO-CEN per gallon of water (1:256 dilution). Apply PHENO-CEN using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Do not apply this product in a way that will contact workers or other persons, either directly or by drift.. Only protected handlers may be in the area during application. Allow to remain wet for 10 minutes and then let air dry. Following application as a low or high pressure spray, do not enter or allow others to enter the treated area until sprays have dried. For heavily soiled areas, a precleaning step is required. This product may be applied only by the methods specified on the labeling.

EFFICACY PERFORMANCE

The broad spectrum efficacy of PHENO-CEN has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:256 in the presence of 5% blood serum (used to simulate organic soil load), at 20°C with an exposure time of 10 minutes.

GERMICIDAL

PHENO-CEN is effective against the broad spectrum of Gram positive and Gram negative pathogens including: Staphylococcus aureus, Escherichia coli, Pseudomonas aeruginosa, Salmonella pullorum, Salmonella enterica, Salmonella gallinarum, Pseudomonas fragi, Mycoplasma synoviae, Bordetella avium, Mycoplasma gallisepticum, and Pasteurella multocida.

FUNGICIDAL

PHENO-CEN's fungicidal efficacy has been confirmed through testing using the A.O.A.C. Fungicidal Test against the pathogenic fungi, Trichophyton mentagrophytes and Aspergillus fumigates.

*VIRUCIDAL

Virucidal testing using prescribed EPA testing procedures has verified PHENO-CEN's effectiveness against the following viruses commonly associated with poultry and swine areas including:

Avian Influenza Virus, Avian Herpes Virus 2 (Marek's Disease), Avian Bronchitis Virus, Hog Cholera Virus, Avian Laryngotracheitis Virus, Pseudorabies Virus, Avian Reovirus, African Swine Fever Virus.

AREAS OF USE

POULTRY PREMISE SANITATION (HATCHERIES)

- | | | | |
|---------------------|-----------------------------|-------------------|------------------------|
| -Egg Receiving Area | -Tray Dumping Area | -Egg Holding Area | -Chick Procession Area |
| -Setter Room | -Chick Holding Room or Area | -Hatchery Room | -Chick Loading Area |
| -Poultry Buildings | -Hauling Equipment | | |

SWINE AND POULTRY BUILDINGS, HATCHERIES, DRESSING PLANTS

The first step in any sanitation program must be to remove gross contamination and debris. The efficacy of even the most efficient germicide/cleaner is reduced in the presence of heavy organic matter. Remove all animals, poultry, and feeds from buildings, vehicles and enclosures. Empty all troughs, racks and other feeding and watering equipment. Mix PHENO-CEN at the rate of ½ ounce per gallon of water (1:256) and saturate all surfaces for 10 minutes. Use 25-50 gallons of disinfectant solution per 1000 square feet of floor space. Ventilate buildings and other closed spaces. Do not house livestock poultry or use equipment until treatment has been absorbed set or dried. Rinse equipment with potable water before reuse. Thoroughly scrub all treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent and rinse with potable water before reuse.

In poultry and animal dressing plants, disinfect equipment, utensils, interior and exterior walls, floors, offal and loading platforms with PHENO-CEN at the 1:256 dilution rate. Again, equipment and utensils must be thoroughly rinsed with potable water before reuse.

APPLICATION AND USE DILUTIONS

EQUIPMENT

Empty all troughs, racks and other feeding and watering appliances. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals or poultry, as well as cleaned forks, shovels, and scrapers used for removing litter and manure, in the disinfectant solution. Thoroughly clean all surfaces with soap or detergent and rinse with water. Mix ½ ounce of PHENO-CEN disinfectant per gallon of water (1:256) and

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treat all equipment for 10 minutes or more. Thoroughly scrub treated feeding and watering appliances with soap or detergent and rinse with potable water before reuse. Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and PHENO-CEN (1:256 dilution). Leave all treated surfaces exposed to disinfectant solution for 10 minutes or more. Ventilate buildings, cars, boats, and other closed spaces in which the product has been used. Do not house livestock or poultry or employ equipment until treatment has been absorbed, set, or dried.

POULTRY HOUSES:

1. Remove all poultry and feeds from premises, trucks, coops, and crates. Remove all litter and droppings from floors, walls, and surfaces of facilities occupied or traversed by poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean all surfaces with soap or detergent and rinse with water.
2. Use ½ ounce of PHENO-CEN per gallon of water. Saturate surfaces with the disinfecting solution for a period of 10 minutes. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals or poultry, as well as cleaned forks, shovels, and scrapers used for removing litter and manure, in the disinfectant solution. Ventilate buildings, cars, boats, coops, and other closed spaces in which the product has been used. Do not house livestock or poultry or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub treated feed racks, troughs, automatic feeders, fountains and waterers with soap or detergent, and rinse with potable water before reuse.

HATCHERIES:

1. Use ½ ounce of PHENO-CEN per gallon of water to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.

EQUIPMENT:

1. Empty all troughs, rack, feeding and watering bins, buckets and fountains.
2. Use ½ ounce of PHENO-CEN per gallon of water to treat all equipment. 3. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.

VEHICLES:

1. Clean all vehicles including mats, crates, cabs and wheels with high pressure water and PHENO-CEN disinfectant. Use ½ ounce per gallon of water to treat all vehicles.
2. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.

SHOEBATHS SANITIZER:

Shoebaths sanitizer containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily or when solution appears dirty

FOR CLEANING AND DISINFECTION OF:

EQUIPMENT including feeders, waterers, fans, racks, troughs, bins and buckets. VEHICLES including live haul poultry delivery truck, feed trucks, service person cars, tractors, and all other vehicles.

HATCHERIES including floors, walls, equipment, incubators, hatchers, tray and buggies. SHOEBATHS including all entrances to buildings and hatcheries.

(Administrative Note: The following text is for labeling destined for swine, cattle and animal care premise use)

AREAS OF USE

SWINE AND CATTLE SANITATION

-Farrowing Barns and Areas -Waterer & Feeder -Blocks -Nursery -Creep Area -Hauling Equipment

MISCELLANEOUS

Horse Stables - Sales Barn Stalls - Dressing Plants - Chutes/Loading Equipment - Sick Pens - Veterinary Hospitals - Cat and Dog Kennels

General Disinfection Uses:

Can be used in the routine disinfection of hog houses, farrowing houses, finishing houses, growers, feeders and other equipment, horse stables and sick pens at race tracks or sale barns, hospital pens, calf pens and equipment. Disinfecting houses used for poultry, turkeys, ducks and game birds and for equipment used in brooding growing and laying quarters. Disinfecting dog and cat kennels as well as laboratory animal facilities, at veterinary hospitals, research laboratories and medical institutions. Spraying cattle pens, chutes loading equipment trucks and animal manure pits for the control of odor and ammonia.

Dressing Plant Use:

Disinfect equipment, utensils, walls and floors in poultry and animal dressing plants. Equipment and utensils must be thoroughly rinsed with potable water before operations are resumed. Disinfect offal rooms, exterior walls and loading platforms of dressing plants.

APPLICATION AND USE DILUTIONS

Do not apply this product in a way that will contact workers or other persons, either directly or by drift. Only protected handlers may be in the area during application. Following application as a low or high pressure spray, do not enter or allow others to enter the treated area until sprays have dried. This product may be applied only by the methods specified on the labeling.

FARM PREMISE:

DO NOT USE IN MILKING STALLS, MILKING PARLORS OR MILK HOUSES.

1. Remove all animals and feed from premises, vehicles and enclosures. Remove all litter and manure from floors, walls, and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals or poultry. Empty all troughs, racks, and other feeding and watering appliances. Thoroughly clean surfaces with soap or detergent and rinse with water.
2. Use ½ ounce of PHENO-CEN per gallon of water (1 part PHENO-CEN to 256 parts of water). Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.
3. Use 25-50 gallons of disinfectant solution per 1000 square feet of floor space. Totally immerse equipment to be treated in disinfectant solution. Ventilate buildings, cars, boats, and other closed spaces in which the product has been used. Do not house livestock or poultry or employ equipment until treatment has been absorbed, set or dried. Thoroughly scrub all treated feed racks, troughs, mangers, automatic feeder, fountains, and waterers with soap or detergent and rinse with potable water before reuse.

EQUIPMENT:

1. Empty all troughs, racks, feeding and watering bins, buckets and fountains.
2. Use ½ ounce of PHENO-CEN per gallon of water (1 part PHENO-CEN to 256 parts of water) to saturate all equipment. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals or poultry, as well as cleaned forks, shovels, and scrapers used for removing litter and manure, in the disinfectant solution.
3. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.

VEHICLES:

1. Clean all vehicles including mats, crates, cabs, and wheels with high pressure water and PHENO-CEN solution.
2. Use ½ ounce of PHENO-CEN per gallon of water (1 part PHENO-CEN to 256 parts of water) to treat all vehicles. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.

HATCHERIES:

1. In the absence of eggs or chicks, clean all surfaces with soap and detergent, and rinse with potable water. Treat all surfaces thoroughly with PHENO-CEN solution by scrubbing with brush under high water pressure with emphasis on cracks and molding where fungus and mold are usually located.
2. Use ½ ounce of PHENO-CEN per gallon of water (1 part PHENO-CEN to 256 parts of water) to treat hatchers, setters, trays, racks, carts, sexing tables, delivery trucks and other hard surfaces. Leave all treated surfaces exposed to the disinfectant solution for 10 minutes or more.
3. Do not introduce eggs or chicks until disinfectant solution has been absorbed, set, or dried.
4. Thoroughly scrub treated surfaces with soap or detergent, and rinse with potable water before reuse.

SHOEBATHS SANITIZER:

1. Shoebath containing one inch of freshly made disinfectant solution should be placed at all entrances to buildings and hatcheries. Change the disinfectant solution in the bath daily or when solution appears dirty.

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(Administrative Note: The following text is required for labeling destined for the aquaculture markets)

Germicidal-Detergent Formulated For Disinfecting Tools, Equipment, and Surfaces in Greenhouses, Micropropagation Laboratories, Aquaculture and Hydroponic Farms Facilities, or Plants.

WARNING!!!

****MUST NOT COME IN CONTACT WITH EDIBLE CROPS****

GENERAL INFORMATION:

PHENO-CEN disinfectant is a phosphate free, germicidal detergent effective in the presence of moderate amounts of organic soil on a variety of surfaces found in greenhouses, micropropagation laboratories, aquaculture and hydroponic farms. PHENO-CEN's multi-synthetic phenolic formula is designed for one-step cleaning and disinfecting hard inanimate nonporous surfaces. PHENO-CEN is strong enough to kill a broad spectrum of plant pathogens and pests, yet mild enough to have no harmful effects on the surfaces being treated when as directed.

AREAS OF USE:

PHENO-CEN is designed to be used between crops, or between daily work procedures on surfaces, tools and equipment that do not come in contact with edible crops. Areas of intended use include tools, floors, walls, bench tops, potting areas, head houses, dry storage areas, sheds, barns, automated potting equipment, cultivating and planting equipment, pruning and budding equipment, pallets and pallet moving equipment. DO NOT APPLY TO CROP, SOIL OR GROWING MEDIA IN WHICH A CROP GROWS OR WILL BE GROWN! To assure compliance, rinse treated surfaces and tools with potable water before they contact the crop or the substrate in which the crop is or will be growing.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

SITE PREPARATION

The first step in any on-going sanitation program must be the removal of gross contamination and debris. This may be accomplished using a shovel, broom, or vacuum depending on the area to be disinfected. The efficacy of even the most efficient germicidal cleaner is reduced in the presence of heavy organic matter. Once the heavy debris eliminated, disinfection can be accomplished in a single step.

CLEANING AND DISINFECTION

For all general cleaning and disinfection, use 1/2 ounce of PHENO-CEN per gallon of water (1:256 solution). Apply PHENO-CEN using a cloth, mop, or pressure sprayer so as to thoroughly wet surface to be disinfected. Allow to remain wet for 10 minutes and then let air dry. For heavily soiled areas, a precleaning step is required. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Following application as a low or high pressure spray, do not enter or allow others to enter the treated area until sprays have dried. Prepare a fresh solution for each use. This product may be applied only by the methods specified on the labeling.

EFFICACY PERFORMANCE

The broad spectrum efficacy of PHENO-CEN has been confirmed using A.O.A.C. protocol testing at a use-dilution of 1:256 in the presence of 5% blood serum (used to simulate organic soil load) , at 20°C with an exposure time of 10 minutes.

GERMICIDAL

PHENO-CEN has been tested and is effective against bacteria recognized as detrimental to a variety of crops grown in controlled environments. Bacterial plant pathogens found susceptible to the killing power of PHENO-CEN include:

Pseudomonas solanacearum...Southern Bacterial Wilt
Pseudomonas cichorii.....Bacterial Leaf Spot and Blight
Erwinia caratovora.....Soft Rot
Erwinia chrysanthemi.....Soft Rot, Leaf Spot, Bacterial Blight
Agrobacterium tumefaciens.....Crown Gall
Xanthomonas pelargoni.....Bacterial Blight
Xanthomonas campestris.....Stem Rot, Leaf Spot, Bacterial Blight

FUNGICIDAL

Common fungal pathogens of plants found to be effectively controlled by PHENO-CEN include:

Botrytis cinerea.....Grey Mold, Stem Rot, Bulb Rot, Flower or Blossom Blight, Storage Rot, Leaf Blight
Fusarium oxysporum.....Fusarium Wilt
Phytophthora cinnamoni.....Phytophthora root rot
Phthium ultimum.....Damping off, Soft Rot, Root Rot
Rhizoctonia solani.....Damping off, Stem Rot, Wire Stem, Root Rot
Verticillium albo-atrum.....Verticillium Wilt

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(Administrative Note: The following text is required for labeling destined for dental markets)

**DISINFECTANT CLEANER - FOR ULTRASONIC USE - INSTRUMENT PRESOAK
DISINFECTANT ULTRASONIC CLEANER CONCENTRATE**

Formulated for Effective Cleaning and Decontamination Sanitation

An effective multi-phenolic germicide for cleaning metal and/or ceramic instruments at chair side and immersion decontamination. MAKES (X) GALLONS - The contents of this bottle dilute to make (X) gallons. (X) liters cleaning and decontamination solution. NOT RECOMMENDED FOR PLASTIC AND RUBBER.

- | | |
|--|---|
| *Use as a chair side pre-soak for instruments | *Use as a holding solution prior to ultrasonic cleaning |
| *Prevents drying of blood, serum and debris | *Promotes safer instrument handling |
| *Won't discolor instruments or surface | *Pleasantly scented |
| *This product makes (X) gallons (X will depend on the size of container) | |

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

USE:

PHENO-CEN instrument pre-soak is an effective germicide detergent for immersion cleaning of non-critical instruments or appliances and/or decontamination of critical or semi-critical inanimate, non-porous surfaces on instruments and appliances prior to terminal sterilization or high-level disinfection. Use at a dilution of 1:256 (1/8 ounce of PHENO-CEN per quart of water or 4 ml per liter). This product may be applied only by the methods specified on the labeling.

DILUTION:

Remove outer cap and seal. While holding bottle by its neck, twist off the inner cap and discard. Replace outer cap loosely. Gently squeeze the lower chamber until the upper reservoir is filled to the desired level (1/8 oz per quart of water, or 4 ml per liter of water). Pour the concentrate into the tray or ultrasonic tank and add water to the appropriate level.

CHAIRSIDE PRE-SOAK:

Place soiled instrument in holding tray solution until ready to be cleaned. Rinse items prior to ultrasonic cleaning.

PRE-CLEANING AND DECONTAMINATION OF SEMI-CRITICAL/CRITICAL MEDICAL DEVICES such as dental burs, preformed dental clasps, preformed dental crowns, dental retentive and splinting pins, dental hand instruments, endodontic stabilizing splints, and intraoral dental drills (note: semi-critical and critical medical devices need to be terminally sterilized):

Thoroughly clean and rinse instruments to remove excess debris, preferably in a ultrasonic cleaner, before immersing in freshly prepared cleaning and/or decontamination solution. Cleanse and rinse the lumens or any hollow instruments before filling with solution. Avoid entrapment of air bubbles. All instruments and devices must be rinsed and rough dried before immersion in the decontamination solution. After immersion, remove instruments and rinse them thoroughly prior to terminal sterilization or high level disinfection. Prepare a fresh solution daily, or sooner, if solution is visibly dirty.

For cleaning and/or decontamination (prior to terminal sterilization or high level disinfection) of inanimate, nonporous surfaces of dental and laboratory instruments and appliances in ultrasound equipment, use PHENO-CEN at a dilution of 1:256 (1/2 ounce PHENO-CEN per gallon of water), (1/8 ounce TRI-CEN per quart of water). Fill tank or beaker with water to level. Fill upper reservoir of dispenser bottle to correct level to attain use dilution, and add to tank or beaker. Add precleaned instruments to solution so surfaces remain water for 10 minutes. Always cover tank or beaker when unit is operating. Always turn off machine when removing items. Operate the ultrasonic cleaner no more than 15 minutes to minimize vaporization. Do not allow solution to overheat. Prepare a fresh solution daily, or sooner, if solution is visibly dirty. Do not mix with other chemicals. Clean and rinse tank daily.

This product is not to be used as a terminal sterilant / high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

DISINFECTION OF NON-CRITICAL MEDICAL DEVICES such as dental mixing spatulas, equipment trays, dental operating light fixtures and handles, instrument control panels, extraoral orthodontic headgears, orthodontic plastic brackets, and other non-critical, hard, nonporous, inanimate surfaces:

Thoroughly clean and rinse instruments to remove excess debris, preferably in an ultrasonic cleaner before immersing in freshly prepared disinfectant solution. Immerse instruments completely for 10 minutes at room temperature (20°C/68°F) to destroy a broad spectrum of Gram positive and Gram negative bacteria, pathogenic fungi, and Mycobacterium tuberculosis. Prepare a fresh holding solution daily or sooner if solution is visibly dirty.

For disinfection of inanimate, nonporous surfaces of non-critical dental and laboratory instruments and appliances in ultrasound equipment, use PHENO-CEN at a dilution of 1:256 (1/2 ounce PHENO-CEN per gallon of water), (1/8 ounce PHENO-CEN per quart of water). Fill tank or beaker with water to appropriate level. Fill upper reservoir of dispenser bottle to correct level to attain use dilution, and add to tank or beaker. Add precleaned instruments to solution so surfaces remain water for 10 minutes. Always cover tank or beaker when unit is operating. Always turn off machine when removing

items. Operate the ultrasonic cleaner no more than 15 minutes to minimize vaporization. Do not allow solution to overheat. Prepare a fresh solution daily, or sooner, if solution is visibly dirty. Do not mix with other chemicals. Clean and rinse tank daily.

(Administrative Note: The following text is optional for labeling destined for the hair salon market)

Formulated for effective hair salon instrument sanitation.

PHENO-CEN is for use on brushes, combs, rollers, tweezers, razors, clipper blades, manicure, pedicure, and other salon tools commonly found in beauty salons, barber shops, and hairstyling establishments.

PHENO-CEN is effective for immersion disinfection of hard, non-porous, inanimate surfaces. Use at a dilution of 1:256 (1/8 ounces of per 32 ounces of water, or 4 ml per liter)

DISINFECTION: Thoroughly clean and rinse instruments before immersion in disinfection solution. Immerse instruments completely for 10 minutes at room temperature (20°C/68°F). After immersion, remove instruments and rinse them thoroughly. Fresh solution must be prepared daily or more often if solution becomes visibly dirty. This product may be applied only by the methods specified on the labeling.

CONFIRMATION: When tested with full immersion at room temperature for 10 minutes in a solution created as above, PHENO-CEN was confirmed effective against Mycobacterium tuberculosis, Pseudomonas aeruginosa, Staphylococcus aureus, Salmonella enterica and Trichophyton mentagrophytes.

PHENO-CEN is a dilutable germicidal detergent formulated to clean, disinfect, and deodorize any washable, inanimate, non-porous instrument or surface in one easy step. When used as directed, it is strong enough to kill a broad spectrum of pathogenic bacteria, yet mild enough to have no harmful effects on the surface being disinfected. PHENO-CEN inhibits mold and mildew, and has a pleasant lavender fragrance.

PHENO-CEN is for use on nippers, brushes, combs, rollers, tweezers, razors, clipper blades, manicure, pedicure, and other implements commonly found in salons, including most plastics. When used as directed, this product is formulated to inhibit the development of rust on stainless steel instruments.

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.

(Administrative Note: The following text is for labeling destined for pharmaceutical or biotechnology clean room markets. (Statements are to be added only to labels of containers destined for those specific markets)

Formulated for Effective Aseptic Controlled Environment ("Clean Room") Sanitation

Product and container sterilized and distributed by _____.

Sterile pharmaceutical clean room formula

PHENO-CEN is for use by pharmaceutical and biotechnology industries; medical device manufacturers; hospitals and health care institutions that are dedicated to controlling the hazards of cross contamination in their establishments. For use on hard, inanimate surfaces in aseptic filling and gowning rooms, general manufacturing areas, or on machinery, tables, counters, laminar flow benches, floors, walls, stainless steel, porcelain, glass, and chrome.

FUNGICIDAL: At 1/2 ounce per gallon of water, PHENO-CEN is also effective against Trichophyton mentagrophytes in use areas as aseptic filling and gowning rooms, and general manufacturing areas or on any other hard, non-porous, inanimate environmental surfaces. At 1/2 ounce per gallon of water, PHENO-CEN is effective against Candida albicans.

This product is not to be used as a terminal sterilant/high-level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical medical devices prior to sterilization or high-level disinfection.